

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-28 (canceled)

Claim 29 (not entered)

Claims 30-54 (canceled)

Claim 55 (previously presented): A kit for filling an applicator having a jetting orifice with a bioactive composition for cutaneous delivery through ejection from said orifice to a subject, the kit comprising: a container which contains the bioactive substance, with the container having an interface to fluidically couple the container with the applicator to deliver said composition to the orifice; and a dermal patch for placement on the subject to receive said composition from said orifice when spaced a selected distance therefrom.

Claim 56 (previously presented): A kit according to claim 55, further comprising instructions for dispensing the bioactive composition from the applicator on to the patch.

Claim 57 (previously presented): A kit according to claim 55, further comprising a bioactive composition in the container.

Claim 58 (previously presented): A kit according to claim 55, further comprising plural containers.

Claim 59 (previously presented): A kit according to claim 58, wherein at least two of the plural containers contain the same bioactive composition.

Claim 60 (previously presented): A kit according to claim 58, wherein at least two of the plural containers contain different bioactive compositions.

Claim 61 (previously presented): A kit according to claim 60, wherein said different bioactive compositions combine after ejection to produce a bioactive effect.

Claim 62 (previously presented): A kit according to claim 60, wherein at least one of the bioactive compositions is a penetration enhancer that improves cutaneous penetration of another bioactive composition.

Claim 63 (previously presented): A kit according to claim 62, wherein the penetration enhancer is dimethyl sulfoxide (DMSO).

Claim 64 (previously presented): A kit according to claim 58, wherein at least one of the plural containers contains a bioactive composition in powder form.

Claim 65 (previously presented): A kit according to claim 55, wherein the bioactive composition is suitable for cutaneous administration.

Claim 66 (previously presented): A kit according to claim 55, wherein the bioactive composition is suitable for transdermal administration.

Claim 67 (previously presented): A kit according to claim 55, wherein the bioactive composition is a pharmaceutical composition.

Claim 68 (previously presented): A kit according to claim 55, wherein said bioactive composition is capable of transdermal flux.

Claim 69 (previously presented): A kit according to claim 55, wherein the bioactive composition is a nitrate, an anti-hypertensive drug, an analgesic, a hormone or an analogue thereof, or nicotine or an analogue thereof.

Claim 70 (previously presented): A kit according to claim 69, wherein the nitrate is nitroglycerin.

Claim 71 (previously presented): A kit according to claim 69, wherein the anti-hypertensive drug is clonidine or minoxidil, the analgesic is fentanyl, or the hormone is estrogen or testosterone.

Claim 72 (previously presented): A kit according to claim 55, wherein the patch has an adhesive portion for application to the subject.

Claim 73 (previously presented): A kit according to claim 72, further comprising a removable release sheet overlying the adhesive portion during shipment.

Claim 74 (previously presented): A kit according to claim 55, wherein the patch has a replaceably removable moisture impervious cover layer.

Claim 75 (previously presented): A kit according to claim 55 for filling an applicator having a programmable controller which controls said ejection from said orifice in response to programming instructions, and the kit further contains said programming instructions.

Claim 76 (previously presented): A kit according to claim 75 for filling an applicator having an interface, wherein said programming instructions are stored on a memory storage device which is received by said interface to supply said instructions to said controller.

Claim 77 (previously presented): A kit according to claim 76, wherein said memory storage device is supported by said container.

Claim 78 (previously presented): A kit according to claim 76, wherein said interface comprises a slot, and said memory storage device is received within said slot.

Claim 79 (previously presented): A kit according to claim 55, wherein said container is refillable with said bioactive composition.

Claim 80 (previously presented): A kit for administering a bioactive composition to a subject, the kit comprising:
a jet dispenser comprising an orifice, and a container which delivers the bioactive composition to said orifice for ejection therethrough; and
a retainer for retaining the dispenser in contact with skin of a subject.

Claim 81 (previously presented): A kit according to claim 80, further comprising a controller which controls said ejection through the orifice in response to information about a physiological condition of the subject

Claim 82 (previously presented): A kit according to claim 82, further comprising a sensor which senses a physiological condition of the subject, and provides information about said condition to the controller.

Claim 83 (previously presented): A method of administering a bioactive composition to a subject, the method comprising:
applying to a cutaneous surface of the subject a jet dispenser comprising a container

holding the bioactive composition;
dispensing the bioactive composition from the dispenser through at least one orifice
toward the cutaneous surface; and
retaining the bioactive composition in prolonged contact with the cutaneous surface.

Claim 84 (previously presented): A method according to claim 83, wherein retaining the bioactive composition in prolonged contact with the cutaneous surface comprises dispensing the bioactive composition on to a dermal patch that is retained on the cutaneous surface.

Claim 85 (previously presented): A method according to claim 84, wherein the dermal patch is an adhesive dermal patch that is applied to the cutaneous surface prior to dispensing the bioactive composition from the dispenser.

Claim 86 (previously presented): A method according to claim 85, wherein the dermal patch comprises a selectively removable cover that is removed prior to dispensing the bioactive composition into the patch, and is subsequently replaced on the patch to improve retention of the bioactive composition in the patch.

Claim 87 (previously presented): A method according to claim 83, wherein retaining the bioactive composition in prolonged contact with the cutaneous surface comprises providing a seal between the dispenser and cutaneous surface, to form a substantially sealed chamber between the dispenser and the cutaneous surface, and retaining the dispenser in prolonged contact with the seal.

Claim 88 (previously presented): A method according to claim 83, further comprising repeatedly dispensing the bioactive composition toward the cutaneous surface.

Claim 89. (previously presented): A method according to 88, further comprising resupplying the dispenser with the bioactive substance.

Claim 90 (previously presented): A method according to claim 89, wherein resupplying the dispenser comprises replacing a container in the dispenser.

Claim 91 (previously presented): A method of administering a bioactive composition to a subject, the method comprising: applying a cutaneous patch to skin of the subject; and dispensing the bioactive composition from a jet dispenser by ejection through an orifice to the patch using inkjet technology.

Claim 92 (previously presented): A method according to claim 91, further comprising dispensing the bioactive composition to the patch at intervals to provide sustained dosages of the bioactive composition from the patch to the subject.

Claim 93 (previously presented): A method according to claim 92, wherein the intervals are preselected intervals.

Claim 94 (previously presented): A method according to claim 91 further comprising dispensing the bioactive composition from the dispenser to the patch when an amount of the bioactive composition in the patch falls below a desired level.

Claim 95 (previously presented): A method according to claim 91: wherein said dispensing further comprises dispensing a second substance from the dispenser to the patch; and the method further comprises mixing the bioactive composition with dispensing.

Claim 96 (previously presented): A method according to claim 95 wherein said mixing occurs between said orifice and said patch.

Claim 97 (previously presented): A method according to claim 95 wherein said mixing occurs within said patch.

Claim 98 (previously presented): A method according to 91 further comprising containing said bioactive composition a container portion of said jet dispenser prior to said dispensing.

Claim 99 (previously presented): A method according to claim 98 further comprising refilling said container with said bioactive composition.

Claim 100 (previously presented): A method according to claim 99 further comprising removing said container from the jet dispenser prior to said refilling, and after said refilling, replacing said container for further dispensing.

Claim 101 (canceled)

Claim 102 (previously presented): A method according to claim 83, wherein said dispensing comprises using a thermal droplet jet dispenser.

Claim 103 (previously presented): A method according to claim 83, wherein said dispensing comprises using a piezoelectric droplet jet dispenser.

Claim 104 (previously presented): A method according to claim 83, wherein said dispensing comprises using a silicon electrostatic actuated droplet jet dispenser.

Claim 105 (previously presented): A method according to claim 91, wherein said inkjet technology used in said dispensing comprises thermal inkjet technology.

Claim 106 (previously presented): A method according to claim 91, wherein said inkjet technology used in said dispensing comprises piezoelectric inkjet technology.

Claim 107 (previously presented): A method according to claim 91, wherein said inkjet technology used in said dispensing comprises silicon electrostatic actuated inkjet technology.

Claim 108 (previously presented): A method according to claim 83, further comprising:

**optically reading subject identification information with an optical reading device of
said jet dispenser;
correlating said subject identification information with prescribed dosage information; and
wherein said dispensing comprises dispensing the bioactive composition according to said prescribed dosage information.**

Claim 109 (previously presented): A method according to claim 91, further comprising:

optically reading subject identification information with an optical reading device of
said jet dispenser,
correlating said subject identification information with prescribed dosage information; and
wherein said dispensing comprises dispensing the bioactive composition according to said prescribed dosage information.

Claims 110-117 (canceled)

Claim 118 (previously presented): A method according to claim 83, further comprising:

monitoring a physical parameter of the subject; and
in response to said monitoring, adjusting said dispensing.

Claim 119 (previously presented): A method according to claim 118, wherein said physical parameter comprises heartbeats.

Claim 120 (previously presented): A method according to claim 118, wherein said physical parameter comprises breathing.

Claim 121 (previously presented): A method according to claim 118, wherein said physical parameter comprises an activity in which the subject is engaged.

Claim 122 (previously presented): A method according to claim 121, wherein:
said activity comprises participating in a sport; and
said adjusting comprises dispensing an additional amount of said bioactive composition.

Claim 123 (previously presented): A method according to claim 118, wherein said monitoring comprises using a monitor portion of the jet dispenser.

Claim 124 (previously presented): A method according to claim 123, wherein said monitor portion comprises a mechanical sensor.

Claim 125 (previously presented): A method according to claim 124, wherein said mechanical sensor comprises an accelerometer.

Claim 126 (previously presented): A method according to claim 91, further comprising:

**monitoring a physical parameter of the subject; and
in response to said monitoring, adjusting said dispensing.**

Claim 127 (previously presented): A method according to claim 126, wherein said physical parameter comprises heartbeats.

Claim 128 (previously presented): A method according to claim 126, wherein said physical parameter comprises breathing.

Claim 129 (previously presented): A method according to claim 126, wherein said physical parameter comprises an activity in which the subject is engaged.

Claim 130 (previously presented): A method according to claim 129, wherein:

**said activity comprises participating in a sport; and
said adjusting comprises dispensing an additional amount of said bioactive composition.**

Claim 131 (previously presented): A method according to claim 126, wherein said monitoring comprises using a monitor portion of the jet dispenser.

Claim 132 (previously presented): A method according to claim 131, wherein said monitor portion comprises a mechanical sensor.

Claim 133 (previously presented): A method according to claim 132, wherein said mechanical sensor comprises an accelerometer.

Claim 134 (previously presented): A kit according to claim 80, further comprising a bioactive agent.

Claim 135 (previously presented): A kit according to claim 134, wherein said bioactive agent comprises a bioactive composition attracting agent selected from the group comprising a cream, a paste, or a salve.

**Claim 136 (previously presented): A method according to claim 83, further comprising:
applying a bioactive composition attracting agent to a treatment location on the cutaneous surface of the subject;**

**pulling the bioactive composition toward said agent; and
penetrating said agent with the bioactive composition to treat the
treatment location with the bioactive composition.**

Claims 137-139 (canceled)

**Claim 140 (previously presented): A method according to claim 83,
further comprising manually triggering an
activation device after said applying and before said dispensing, with
said dispensing
occurring in response to said triggering.**

**Claim 141 (previously presented): A method according to claim 91,
further comprising manually triggering an
activation device after said applying and before said dispensing, with
said dispensing
occurring in response to said triggering.**

Claims 142-144 (canceled)

**Claim 145 (previously presented): A kit according to claim 55, wherein
said container comprises a collapsible
bladder, and said interface comprises tubing.**

**Claim 146 (previously presented): A kit according to claim 80, wherein
said container comprises a collapsible
bladder, and the kit further includes a fluid conduit to convey the
bioactive composition
from the bladder to the jet dispenser.**

**Claim 147 (previously presented): An applicator according to claim
146, wherein said fluid conduit comprises tubing.**

**Claim 148 (previously presented): A method according to claim 83,
further comprising:
storing the bioactive composition in a collapsible bladder; and
conveying the bioactive composition from the collapsible bladder to
the jet dispenser.**

**Claim 149 (previously presented): A method according to claim 148
wherein said conveying comprises
conveying the bioactive composition through tubing.**

**Claim 150 (previously presented): A method according to claim 91,
further comprising:**